

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001426**Date Inspected:** 31-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** OBG 4AE, 4BE, 3AE, 3BE, 5AE, Cross beams**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Office

Review reports and file Notice of Inspection backlog.

East Tower Lift #1

Internal Interzinc 22 coated surfaces undergoing in process "blowdown" operations with dry compressed air and cleaning.

OBG 3BE/4AE OBG 4BE/5AE

Base metal surfaces scheduled for abrasive blasting operations cancelled due to in process removal of Lift #4 East.

Weld seams were scheduled for repairs on internal areas.

Cross Beam #3

Top plate previously Interzinc 22 coated surfaces were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 re-applied to blasted base metal surfaces. Approximately 30 square meters of surface area was repaired.

Cross Beam #4

Interfine 979 was applied to the bottom plate Interzinc 22 coated repair areas.

Miscellaneous Metal

Approximately 350+- pieces of splice plates and channel and angle iron base metal surfaces were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied.

Miscellaneous Metal

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ZPMC performed de-greasing and washing of base metal surfaces behind paint shop #2.

OBG 3AE/3BE

Internal faying surface inspection of Interzinc 22 coated surfaces of "T" stiffeners and weld seam repair areas.

Minor repairs required on longitudinal diaphragm.

OBG 4AE/4BE

Base metal surfaces of the segment support pedestal areas were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied.

OBG 5AE & OBG 3BE

Abrasive blasting thermal cut edge repair area to base metal in process, due from removal of Lift#4 East.

Note: All inspections were performed jointly with ZPMC & ABF QA/QC representatives and International Protective Coatings technical service representatives Mr.Peng ZiLi and Mr.Alpha Chen as well as Caltrans QA Lumley.

Summary of Conversations:

Caltrans QA Lumley discussed with ABF QA Bill Oak suspension of coating repairs on OBG 4AE/4BE due to ongoing fabrication and match drilling damages as well as welding and thermal cutting in process and damages continue to be incurred. Mr. Oak stated his agreement and would speak to ZPMC superiors relative to such.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang. (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
